



Attorney Docket No. 47233-5002  
PATENT

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:

Seiichiro YAMAMOTO et al. : Confirmation No.: 1577  
Application No.: 10/551,281 : Group Art Unit: 1746  
Filed: July 17, 2006 : Examiner: Chaudhry, Saeed T.  
FOR: MECHANISM AND METHOD OF :  
DISCHARGING SOLID OBJECT :  
:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Commissioner for Patents  
U.S. Patent and Trademark Office  
**Customer Window Mail Stop: Amendment**  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the undersigned's knowledge, this IDS is being filed before the mailing date of a first Office Action on the merits, before the mailing date of a first Office Action on the merits after filing an RCE under § 1.114, or within three months of the application filing date.

A European Search Report dated May 4, 2007 from a counterpart, related, or other application and having documents cited thereon is attached for the Examiner's consideration. Any of these documents not previously cited, and any additional documents are listed on the PTO Form 1449.

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any document listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or in a search report for a corresponding application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that any of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

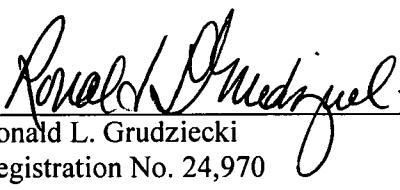
Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

Should any questions arise in connection with this application, or should the Examiner believe a telephone conference would be helpful in resolving any remaining issues pertaining to this application, it is respectfully requested that the undersigned be contacted at the number indicated below.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully Submitted,

Date: May 30, 2007  
By: DRINKER BIDDLE & REATH LLP  
Customer No. 55694  
1500 K Street, N.W., Suite 1100  
Washington, D.C. 20005-1209  
Tel. No.: 202-842-8800  
RLG:mk

  
Ronald L. Grudziecki  
Registration No. 24,970  
Tel. No.: (202) 842-8802  
Fax No.: (202) 842-8465

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Date: May 30, 2007

Attorney Docket No.

Client Ref.

47233-5002

Applicant: Seiichiro YAMAMOTO et al.

Appln. No.: 10/551,281

Filing Date: July 17, 2006

Examiner: Chaudhry, Saeed T. Group Art Unit: 1746

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
/R.C./	AR 4,271,297	06/1981	Hentsche et al.			
	BR					
	CR					
	DR					
	ER					
	FR					

## FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor/Applicant Name	English Abstract	Translation Readily Available		
					Enclosed	No	Enclosed	No
/R.C./	GR 1 099 472 A2, A3	05/2001	EP	Union Carbide Chemicals and Plastics Technology Corporation				
/R.C./	HR 1 514 824	06/1978	GB	Stork Amsterdam B.V.				
/R.C./	IR 31 03 726 A1	08/1982	DE	Agrichema Handelsgesellschaft	X			
	JR							
	KR							
	LR							
	MR							
	NR							
	OR							
	PR							

## OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

QR			
RR			
SR			
TR			
UR			
VR			
WR			
XR			

Examiner /Ryan Coleman/ Date Considered: 12/31/2009

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.